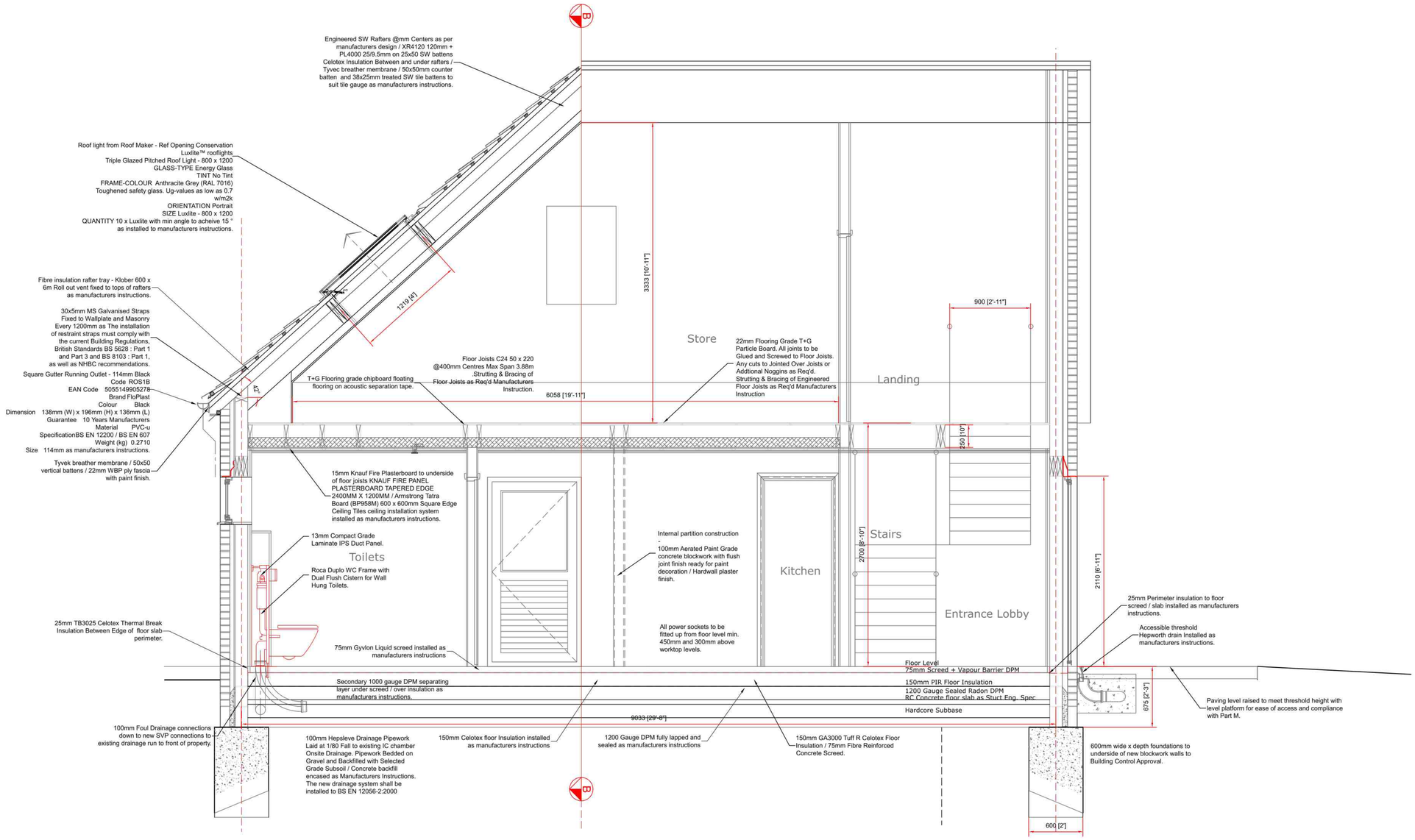
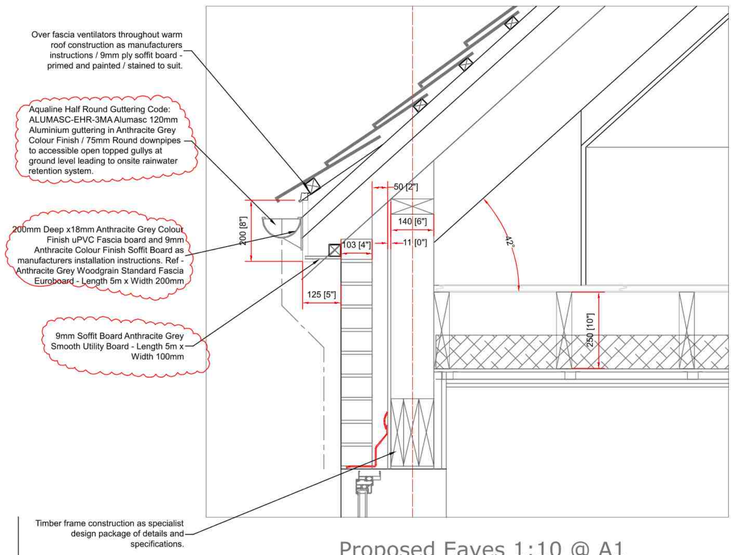


Proposed Section CC 1:25 @ A1



Proposed Eaves 1:10 @ A1

Timber frame / Masonry Wall Construction

To acheive min. 0.15U Value

External finish in smooth render coat 20mm Sand / Cement render in built up coat. Including stainless steel expamet bell beads and stops to all openings and DPC level.

103mm Face brickwork masonry in coursed stretcher bond construction to face of timber frame construction. Mininmum of 50mm clear vertical cavity. Stifix timber frame wall ties at studwork centres as manufacturers details for timber frame construction.

Timber frame -

11mm OSB outer sheathing to timber frame construction refer specialist manufacturers design package for details.

140mm (38x140) SW Timber studwork timber frame construction full filled Cavity with mineral cavity batt Insulation as manufacturers details.

Hyload Poly horizontal DPC laid to both courses of cavity construction as plans / details. Laps in sections of DPC to be overlapped 150mm as manufacturers instructions.

Cavity tray DPM / DPC fixed to timber frame over all openings and lintel positions dressed to drain to outer face of cavity construction and installed as manufacturers instructions.

Weephole perpend drain units to masonry external leaf be positioned at both ends of cavity tray over lintels and intervals as manufacturers instructions.

Wall insulation to all other cavities ISOwool 140mm full fill cavity insulation to be placed in batts throughout cavity construction abutting the next batt as manufacturers instructions. Care to be taken to keep cavity free of mortar droppings to prevent any 'bridging' for water to ingress.

25mm PIR Internal Timber Frame insulation lining.

Gypsum plaster 13mm (Lighweight 2 coat Plaster) and Skim Coat Plaster Finish ready for final decoration.

Foundations

Deep Strip Mass Concrete foundations 600mm wide x depth to the approval of local building control officer satisfaction. Generally concrete foundations finished to a level surface for cavity construction masonry as plans. Allow for service penetrations over top of foundations as illustrated on plans and featured on details.

7N Dense Concrete Blockwork laid Horizontally on top of Foundations upto DPC Level in cement / sand mortar in generous beds of mortar with full perpends as work proceeds.
3.5N Medium Concrete Blockwork above DPC level in Cement / Sand mortar.

Ancon Staifix Type 2 RT2 225mm Stainless Steel Wall Ties for 100mm Cavity construction to comply with DD140 2.5 ties per SQM (900x450mm Staggered on Alternating Courses of Blockwork) 225mm Vertically around openings as manufacturers instructions
Density & Positioning of Ties. For walls in which both leaves are 90mm or thicker, ties should be used at not less than 2.5 per square meter (900mm horizontal x 450mm vertical centers). Ties should be evenly distributed over the wall area, except around openings, and should preferably be staggered.

Fill lower section of cavity construction as illustrated on details with lean mix OPC concrete fill to prevent cavity construction collapsing below ground level. Trowel surface of concrete to fall away from the inner face to conduct water away from beneath extension.

Suspended Floor Construction

75mm Gyvlon liquid screed over heat matrix floor heating system - refer to specialist details and manufacturers installation instructions.

20mm Perimeter thermal band separation insulation as manufacturers details.

100mm Celotex floor insulation laid thorughout new floor.

1200 Gauge DPM membrane fully sealed and taped as manufacturers instructions lapped up inside of timber frame construction.

Precast concrete beam and block from system from Bison or similar suspended floor over sleep walls / foundations installed as manufacturer instructions and specialist details.

General Specification Notes:

New Roof Construction

C24 SW timber rafters @600 to roof wallplate and install bracing strapping as required by BS5628, building code / manufacturers instructions.

Expamet Truss clips Fixing: use BAT 3.75 x 30mm long square twisted sherardised nails. All nail holes must be filled. Safe Working Load - 1.3kN uplift. The timber wall plate must be securely held down onto the supporting masonry.

Fit M305 27.5x5mm Galvanized Retaining Straps to both Gables Ends and along Perimeter Wallplate Level at not more than 900mm centers as manufacturers instructions fixed over a minimum of 3No trusses / Joists with same sized solid timber section brace fixed between.The installation of restraint straps must comply with the current Building Regulations, British Standards BS 5628 : Part 1 and Part 3 and BS 8103 : Part 1, as well as NHBC recommendations. When straps are being fixed across joists or trussed rafters which are parallel with the wall, and where there is a gap between the wall and the first joist or truss, the gap must be packed. Noggins must be provided between each joist or truss. Fixing for M305 and Standard Straps: use either No 12 x 50mm wood screws or 4.00 dia x 75mm corrosion resistant nails. For stainless steel straps, stainless steel fixings must be used.

Fit Tyvek roofing breather membrane over panels and fit 50x38mm SW treated battens at gauge to suit roof tiles to roof elevations.

Infill rafter insulation - 120mm PIR Celotex roof insulation between rafters + 25mm beneath rafters to in line with section of roof to acheive 0.20 U Value

Fit eaves ventilator unit along top of fascia board as manufacturers instructions to allow loft ventilation to upper section of roof void.

Fix 9.5mm tapered edge plasterboard ceiling to underside of new roof as plasterboard manufacturers installations instructions and finish with plasterers mesh tape and skim coat finish plaster.

Dark grey colour man made slate roof tiles pitched at 42° roof angle headlap as manufacturers details. Treated tiling battens 50x38mm / Tyvec Breather membrane. Natural coloured cement / sand mortar bedded ridge and verges with cement board undercloak projecting no more than 75mm from edge of roof. All installed as manufacturers instructions.

Black deep flow guttering channel / 68mm Downpipes and associated fittings.

New Windows / Doors

Install double glazed powder coated aluminium thermally 'broken' windows and chrome finish ironmongery to elevations to structural openings as illustrated on plans.

All windows to be fitted with fire escape hinges and have a minimum opening clear width to side hung casement / sashes of 450mm.

All windows to have 'trickle' vents fitted tyo provide back ground ventilation as Part F1.
Install windows to lap with perimeter DPC all round as manufacturers installation instructions.
Certificate of conformity to be forwarded to Building Control for approval / FENSA registration as appropriate.

Toughend glazed units to all doors / windows at or below 800mm to conform to all EN 12150-1 requirements and is CE marked in accordance with EN 12150-2 Class 1 to EN 12600 with a mode of breakage type C and otherwise to Part N1 approved documents.

Electrical Installation

Allow for first fix electrics sockets and switches as work proceeds. Electrical circuit wiring to conform to current Institute of Electrical Engineers (IEE) installation guides 1 to 7 and to BS7671:2001. Toilet lighting activation to be linked with electrical extract fan with timed overrun and have a (15lts / Sec) Capacity directed to outside grill through upper section of external wall construction.

Energy saver 'Double-D' or LED light bulbs to be fitted throughout to all pendant light fittings.

All Electrical work required to meet the requirements of Part P (Electrical Safety) must be designed, installed, inspected and tested by a person competent to do so.

Prior to completion the Council should be satisfied that Part P has been complied with. This may require an appropriate BS 7671 electrical installation certificate to be issued for the works by a person competent to do so.

Plumbing Installation

Subject to specialist M+E Survey :-

Copper piperuns / Stelrad Elite 216 radiators / TRV to radiators / Programmer + Room thermastat to comply with Part J Approved Document and Gas Safe Regulations.

Underfloor heating matrix pipework within Gyvlon liquid screed as specialist design details.

Refer to SAP calculation if required as part of building control information package for project.

WC Cubicle Back Wall Duct Panelling -

IPS Duct Panelling 18mm MF MDF - Light Grey / 25x25 Powder Coated Steel frame

UK Cubicles Unit 5A Airedale Business Park Royd Ings Avenue Keighley West Yorkshire BD21 4DG Call: 01535 602141 Email: sales@ukcubicles.co.uk

Ceiling Mounted Optical Smoke Detectors
MAINS POWERED 230V~Rechargeable Battery Back-Up
Kitemarked to BS5446-1:2000

Sensor Optical, uses light scatter from smoke Sensitivity: Complies with BS 5446 Part 1: 2000 Source: Contains no radioactive material Airspeed: Essentially immune to the effect of airspeed. Button Test: Simulates the effect of smoke and checks chamber, electronics and horn. Ambient Light: Chamber housing design and compensation overcomes problems with stray light. Automatic Self-Test: Smoke Chamber is tested every 40 Sec. and unit beeps (without LED flash) if it is degraded. Insect Screen: Prevents insects or debris entering chamber (1.00mm mesh size) Supply Voltage: 230V AC Battery back up: Rechargeable lithium cells Power-On Indicator: Continuous green LED Alarm: Electronic Piezoelectric horn Alarm Sound Output: 85dB (minimum) at 3m Alarm Status: Red LED flashes every second on unit sensing fire Temperature Range: 0° to 40°C Humidity Range: 15% to 95% Relative Humidity Interconnect: Up to 12 interconnected Ei150/151TLR/154TL/155/156TLH/156TLR smoke or heat alarms, along with an Ei158 relay base Fixing: Screw fixings supplied Plastic material: UL94/O flame retardant Dimensions: 140mm x 120mm x 46mm Weight: 218g Warranty: 5 year (limited) warranty Approvals: Kitemarked to BS5446-1:2000, CE Approved

MAINS POWERED 230V~Rechargeable Battery Back-Up to EN54:2000 Class A1 & A1s
Back up: Rechargeable lithium back up
Interlink: Up to 12 alarms
Alarm Sound Level: 85dB at 3m
Indicator Lights: Solid-state
LEDs: AC power green; circuitry and back up red
Operating Temperature Range: 5°C (40°F) to 38°C (100°F)
Relative Humidity: 10% to 85% Dimensions: 133mm x 55mm
Weight: 170g

SLR ARCHITECTURAL

SLR Architectural 7 Pingle Farm Road Swadlincote Derbyshire DE11 0QZ
Tel:- 0845 6430 021 Email: slr_architectural@btinternet.com

CIAT CHARTERED PRACTICE

Ref	BUILDING CONTROL SUBMISSION	
Drawn SLR	Date	Scales 1:50 1:10 @ A1

Mr S. Smith,
Chairman C/o,
Glatton Village Hall,
High Haden Road
Glatton, Cambs.
PE28 5RU.

Proposed New Village Hall
Proposed Sections

707-22-310 Rev A